



**AAKASH SR**

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 Tambaram, Chennai, Tamil Nadu-600059.

A **Mechanical Design & Bill of Materials (BOM) Engineer** over 4.3 years of experience, expertise in **CAD tools & PDM** for product design & development and **SAP** for listing the materials/BOM generation. Actively looking for Research & Development/Design Engineering roles in Automotive sectors (EVs).

### Industrial Competences:

- **Design Platforms:** Auto-CAD, PTC Creo 7.0, CATIA V5, Windchill, GD&T & Ansys
- **Software Packages:** SAP, Product Data Management (PDM/PLM), SharePoint, MS-Office 365
- **Engineering Calculation tools:** Mathcad, Monocalc, Engcalc

## PROFESSIONAL EXPERIENCE

Jul-2017 – Till date      **DESIGN ENGINEER – Supply line Operations America (SOA)**  
**KONE Corporation – India Technology & Engineering Centre (ITEC)**

- Responsible for creating customized designs using product configurations, customer specs, blueprints and within codes & standards (**3D CAD/2D Drawing**)
- **3D Part Modelling & Assembly** of sheet metal components such as brackets, platforms, car panels & frames and creating design release for the same.
- Providing detailed set of **2D-Engineering drawings** for production by utilising **GD&T, Welding &** various Manufacturing processes.
- Performing **Design calculations** to make sure the designs are safe & feasible in terms of maximum load usage, clearances as well as traction checks.
- Analysing & proposing **design solutions** to the customers/vendors via business meetings with Project Managers.
- Preparing **BOM structure** for customer approved layouts. (**Windchill & SAP**)
- Performing **DFMEA/RCA** for the warranty claims and feedbacks received.

### Additional Responsibilities

- **Team POC** for offshore Engineering, Supply Managers, Material Management.
- Hosting bi-weekly **technical team** meeting with counterparts (US/India).
- Responsible for **task segregation & assignment** automation (India/US Engg.)
- Preparing monthly **billing report** & acting as **5S coordinator** for entire team.

### Rewards & Recognition

- Awarded as **Ace-performer** (Q2-2021 & Q1-2019) for quality of deliverables.
- Recognized for owning two prestigious **Canadian Government projects**.
- Rewarded for developing a specific **California State Code work instruction**.
- Certificate of appreciation to create **Safety Culture** as an ERT member.
- Recognized from Kone leadership levels for **successfully co-ordinating & leading 35+ Major projects**.

**Key skills:**

- Strong **team collaboration** skills. Can work efficiently with team members in projects.
- Effective **communication** of ideas across the table.
- I firmly believe in **LUTI** (Learn → Understand → Think → Innovate) for providing solution.

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**Jan-Feb – 2017 Internship/Industrial Project****American Axle & Manufacturing (AAM) India**

Design, Analysis and Fabrication of Brake Sub Assembly Fixture developed for American Axle & Manufacturing (AAM) India - Automotive.

- Improved process cycle time by **66.6%**.
- Eliminated **ergonomics issues**.
- **Design simplicity** leading to **cost-effectiveness**.

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**Dec - 2014****In-plant training @ OMS Motors P Ltd**

Learnt about the facilities and technologies in the mechanical and electrical repair, body shop and air conditioning sections of Maruti Suzuki automobiles.

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**ACADEMICS:**

| Degree                            | Institute   | Board/University                     | Year of Graduation | Grade     |
|-----------------------------------|---|--------------------------------------|--------------------|-----------|
| <b>B.E Mechanical Engineering</b> | Prince Dr.K.Vasudevan College of Engineering and Technology (PDKVCET) | Anna University, Chennai, Tamil Nadu | 2017               | CGPA-7.91 |
| <b>Class XII</b>                  | St. Paul's MHSS   | State Board, Tamil Nadu              | 2013               | 87.58%    |
| <b>Class X</b>                    | Seventh Day Adventist Matriculation School                            | Matriculation, Tamil Nadu            | 2011               | 87.20%    |

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**CERTIFICATIONS:**

- ➔ Certified for developing knowledge on **Engineering Drawings for Manufacturing (DFM) & Geometric Dimensioning and Tolerancing (GD&T)**.
- ➔ Presented a conceptual project idea conducted by Industrial Institute Interface (iii) titled **“Oil Spill and Poisonous Gas Inspection and Control by Robot for Oil Extraction and Distillation Plant”**.
- ➔ Certified **first class with distinction** in Typewriting by Government of Tamil Nadu.
- ➔ Presented a Paper titled **Nanotechnology in Automobiles** in an inter-college technical symposium.
- ➔ Rewarded for **Excellence in Academics** for year 2013-14 by PDKVCET.

**Willingness to travel:** Yes.

**Declaration:**

I hereby declare that all the information given above are true to the best of my knowledge and belief.

**Place:** Chennai

**(S.R. AAKASH)**